

FIG. 1

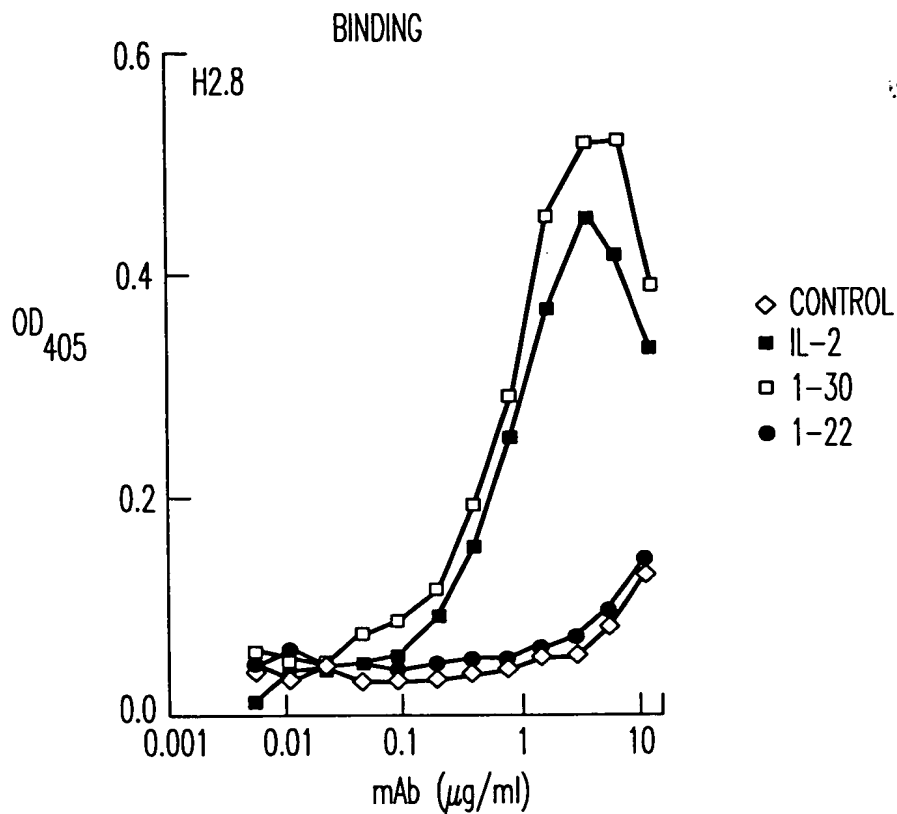


FIG. 2A

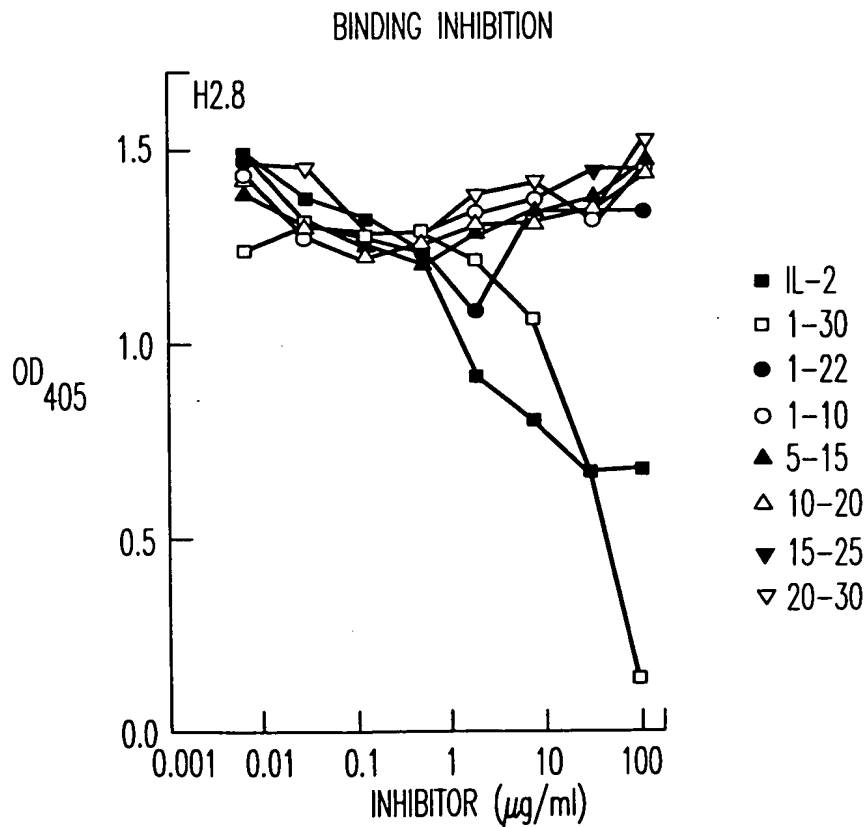


FIG. 2B

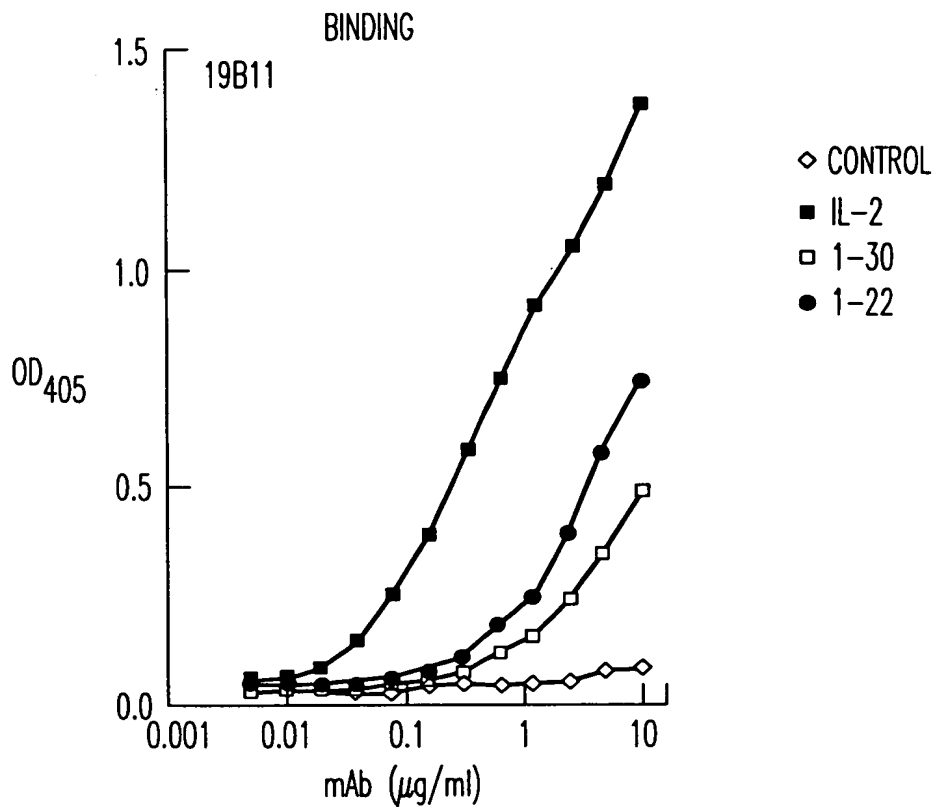


FIG. 2C

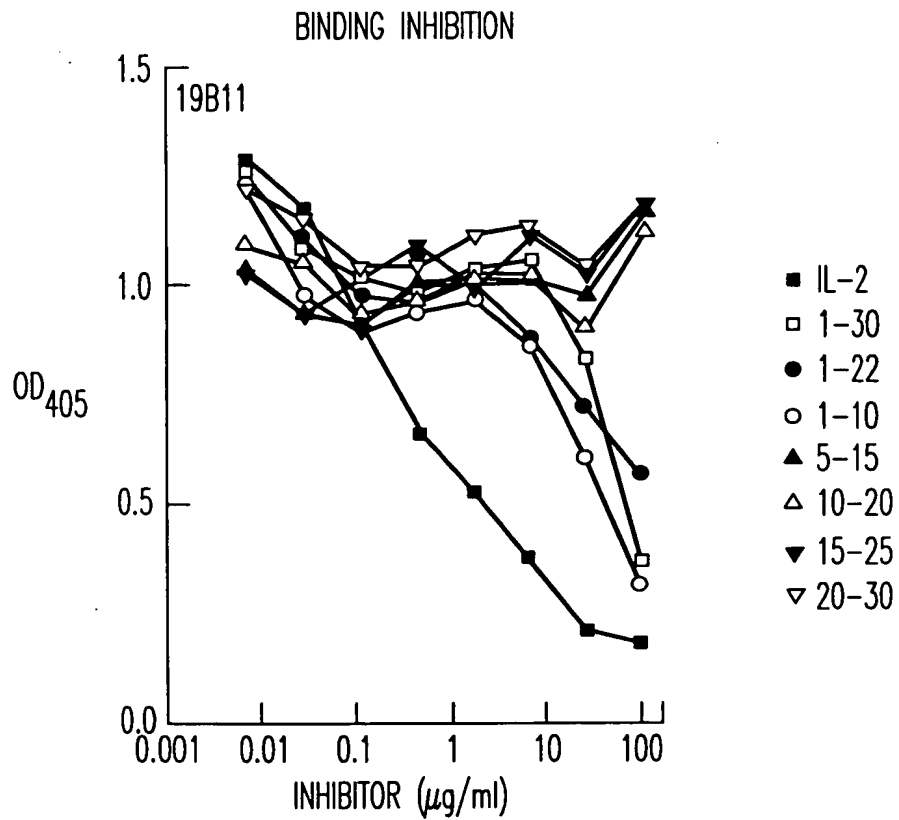


FIG. 2D

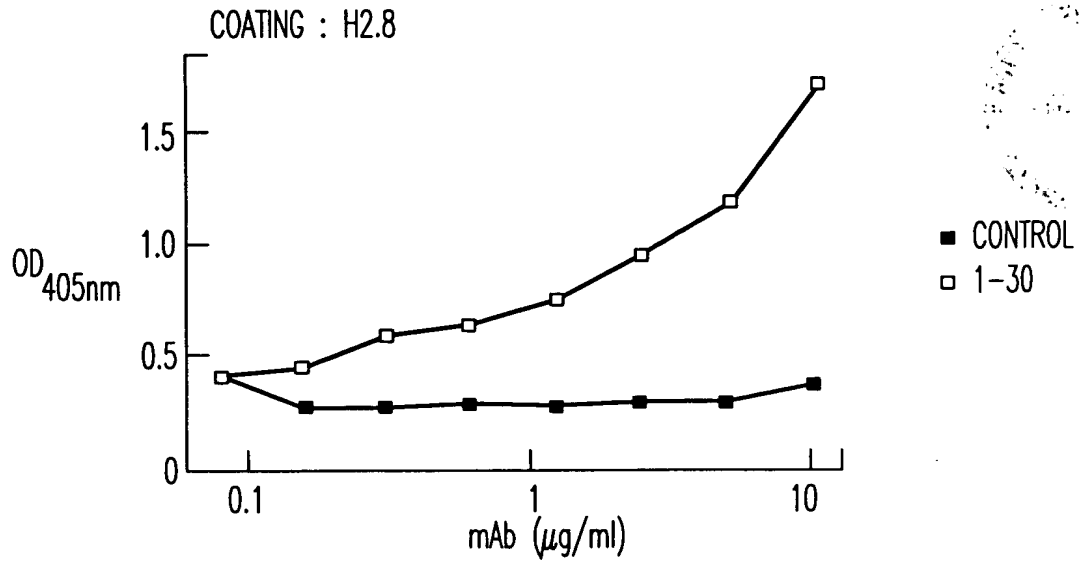


FIG. 3A

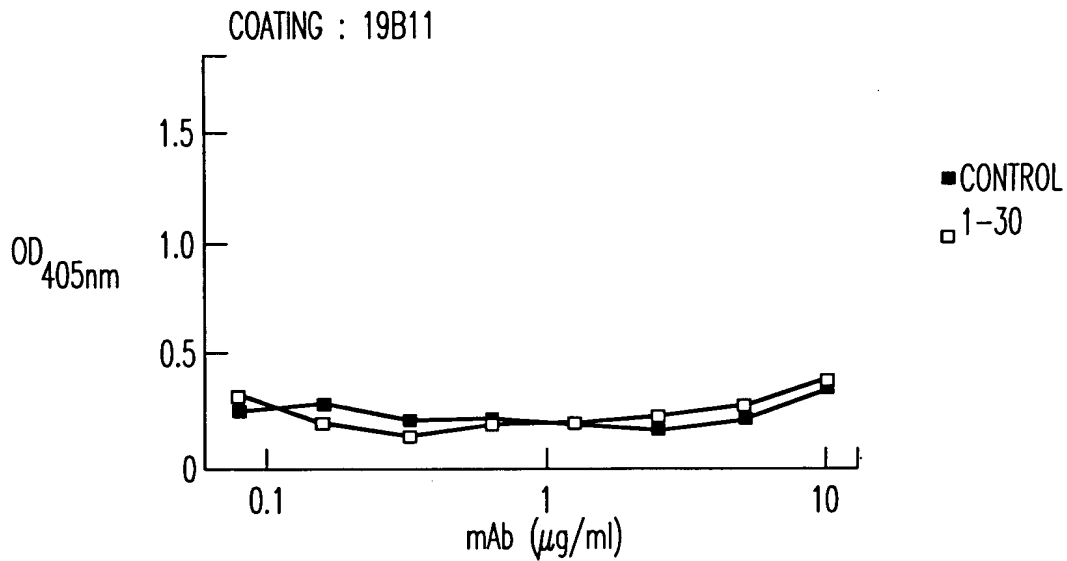


FIG. 3B

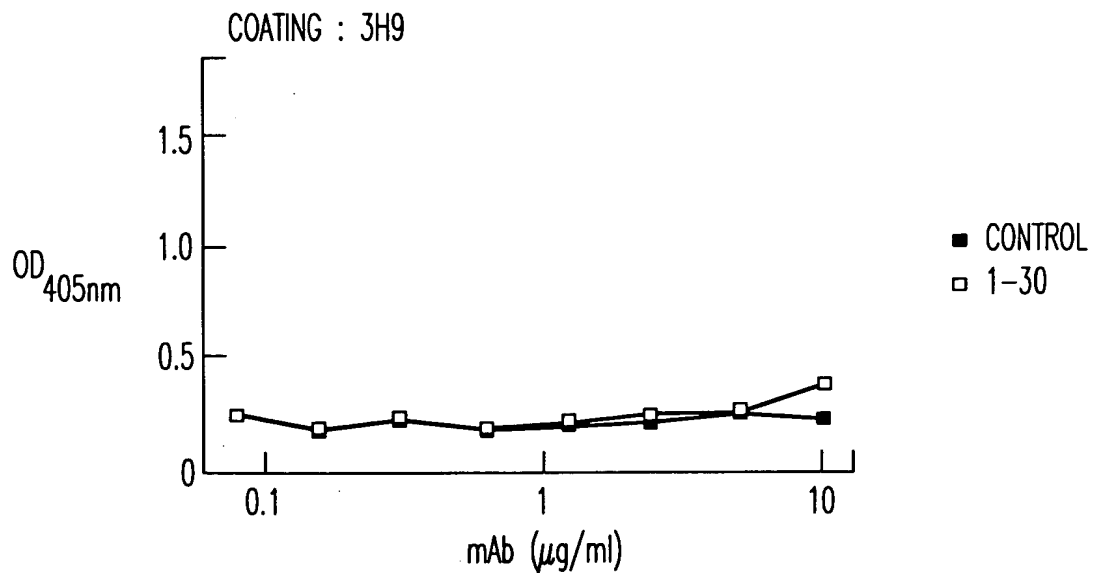
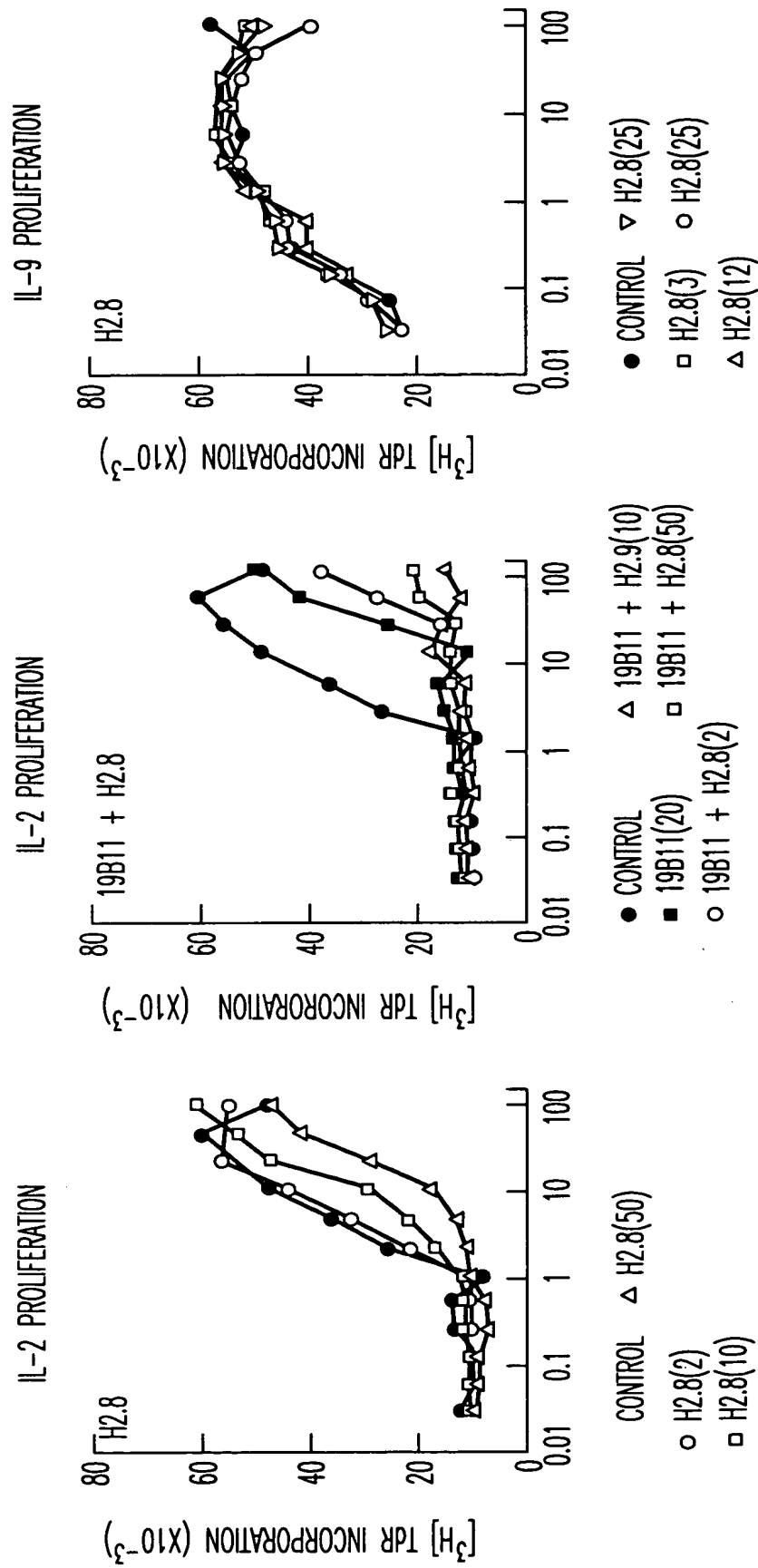


FIG. 3C



(125-PRO) IL-2 (mM)

FIG. 4A

(125-PRO) IL-2 (mM)

FIG. 4B

IL-9 (u/ml)

FIG. 4C

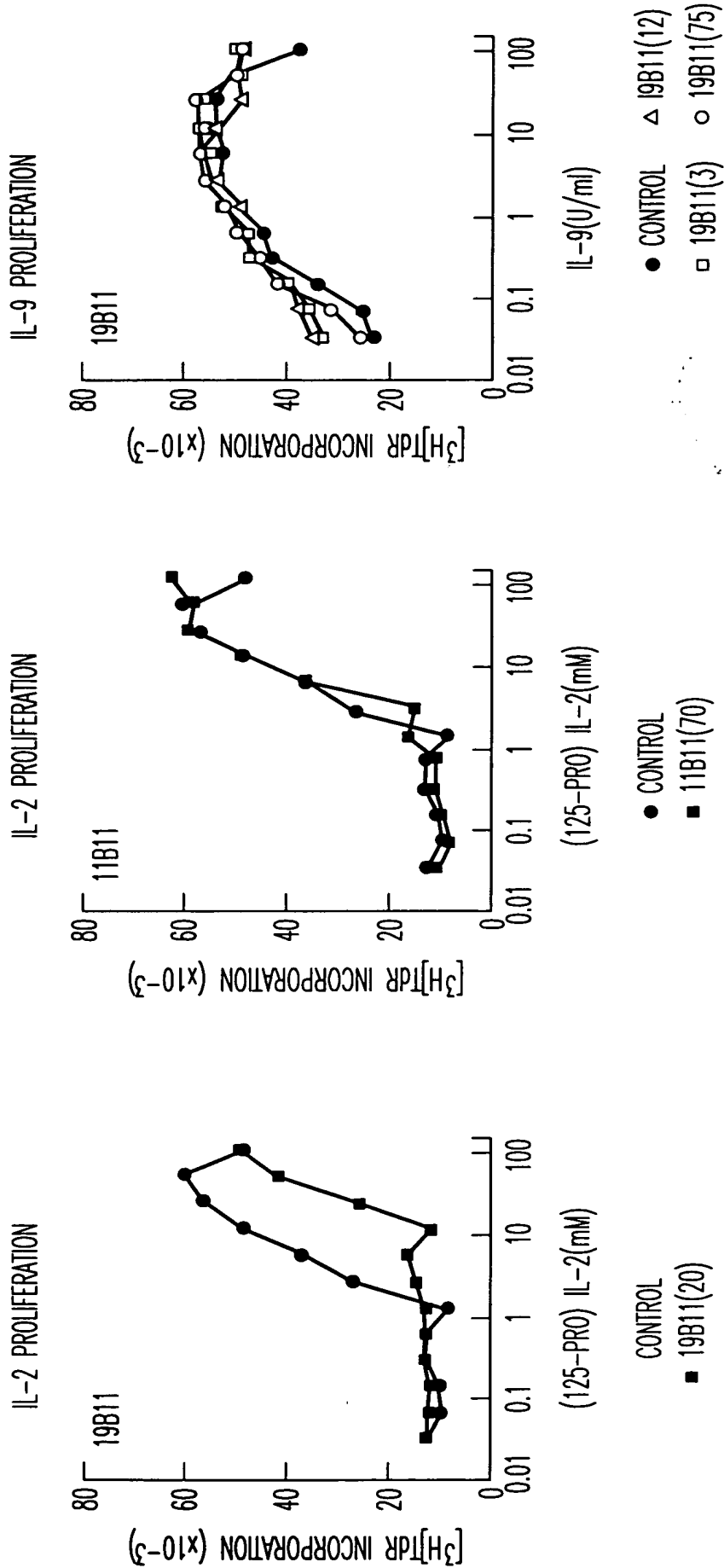


FIG. 4D

FIG. 4E

FIG. 4F

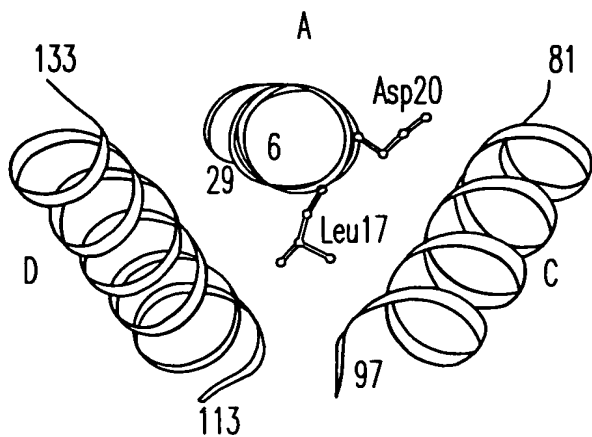


FIG. 5A

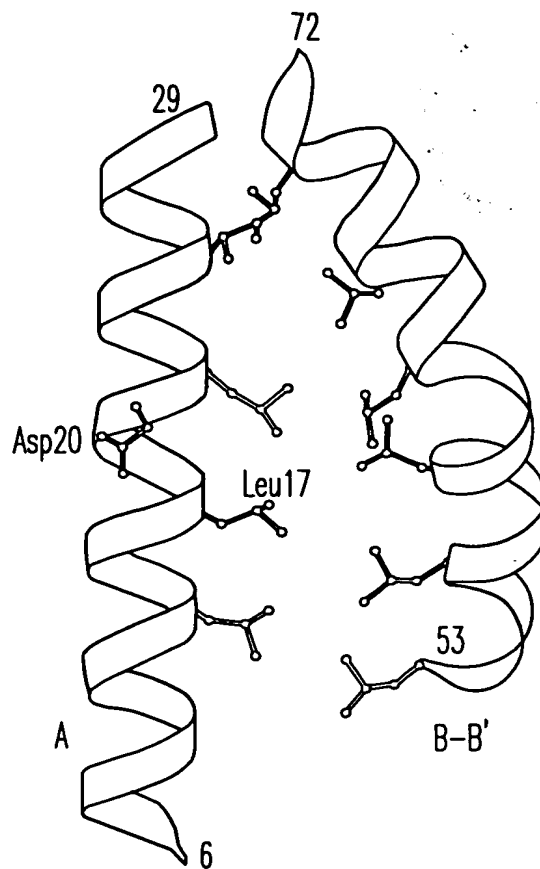
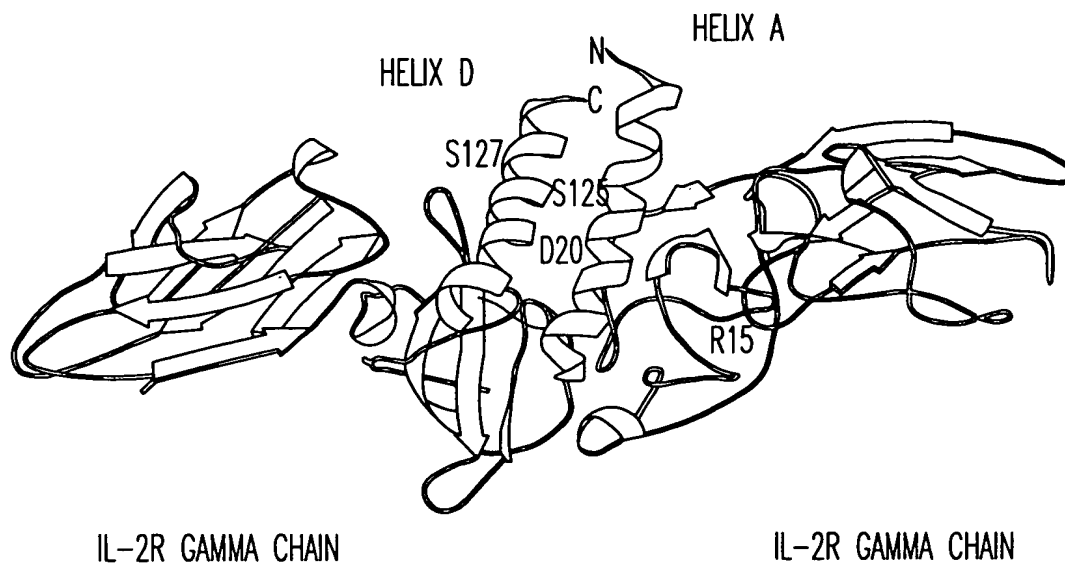


FIG. 5B



IL-2R GAMMA CHAIN

IL-2R GAMMA CHAIN

FIG. 5C

INTERLEUKINE-2 RECEPTOR

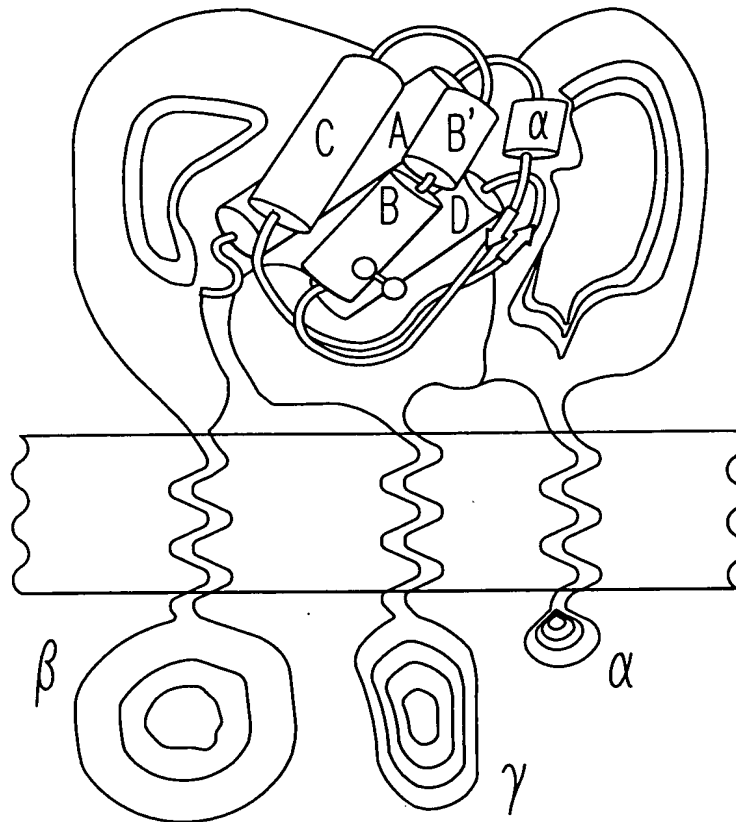


FIG. 6A

IL-2 AND IP 130 SEQUENCE (α -HELICES ARE BOXED)

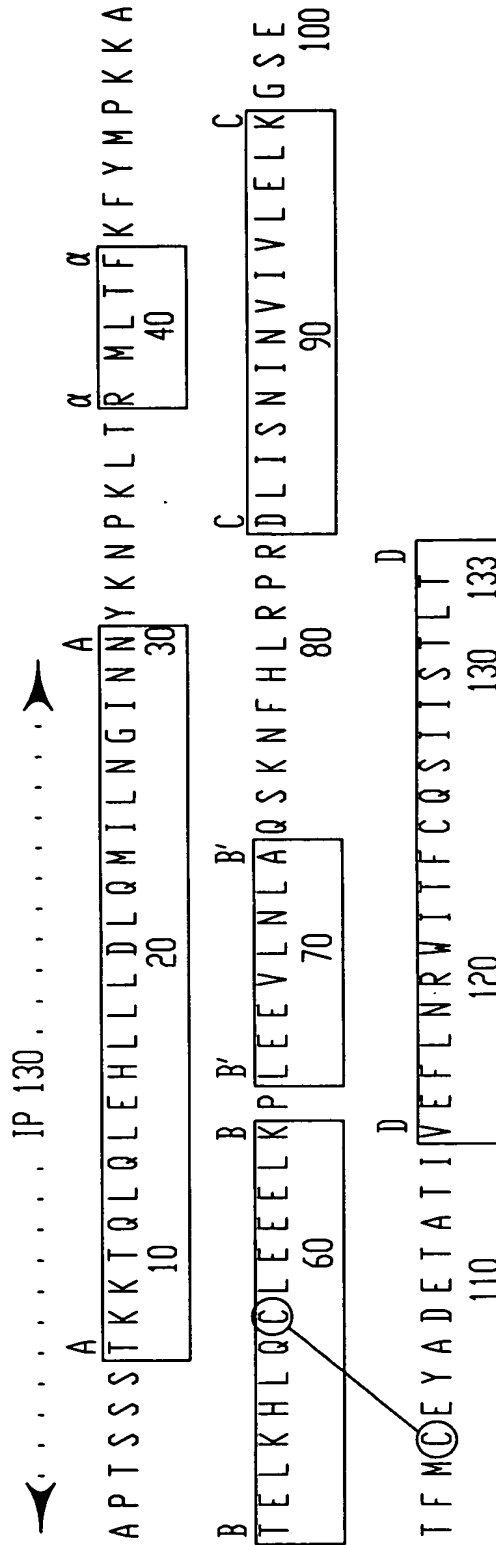


FIG. 6B

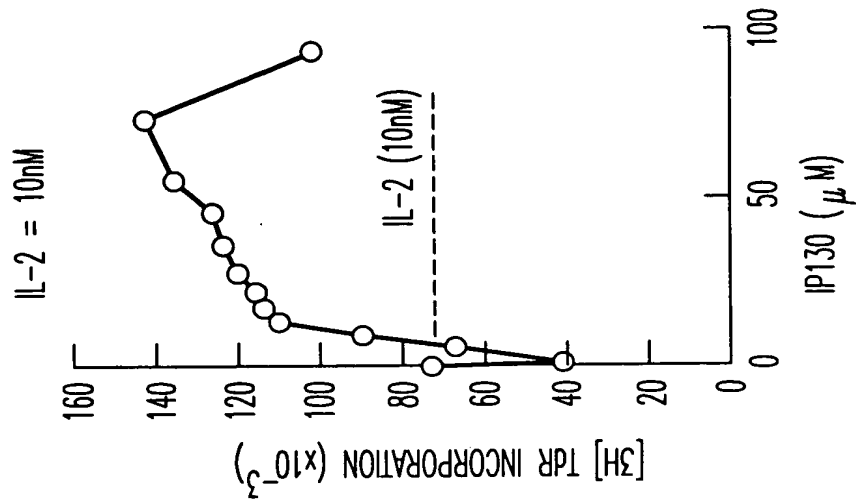


FIG. 7C

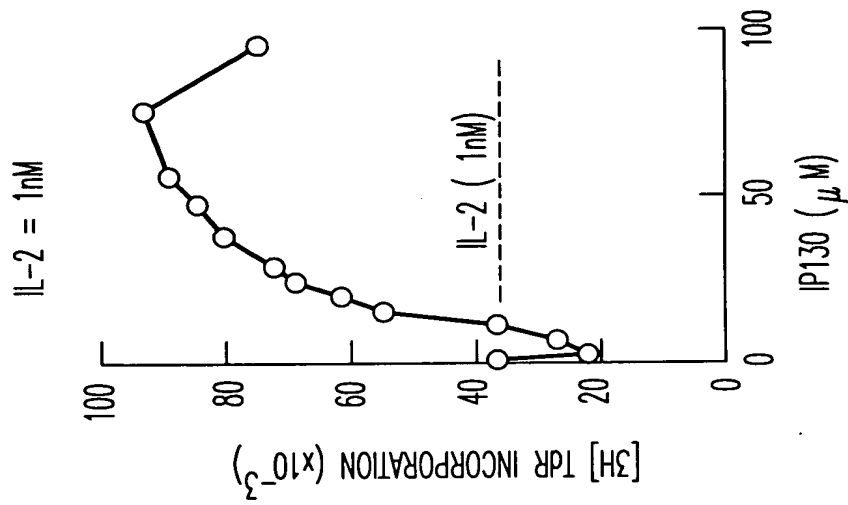


FIG. 7B

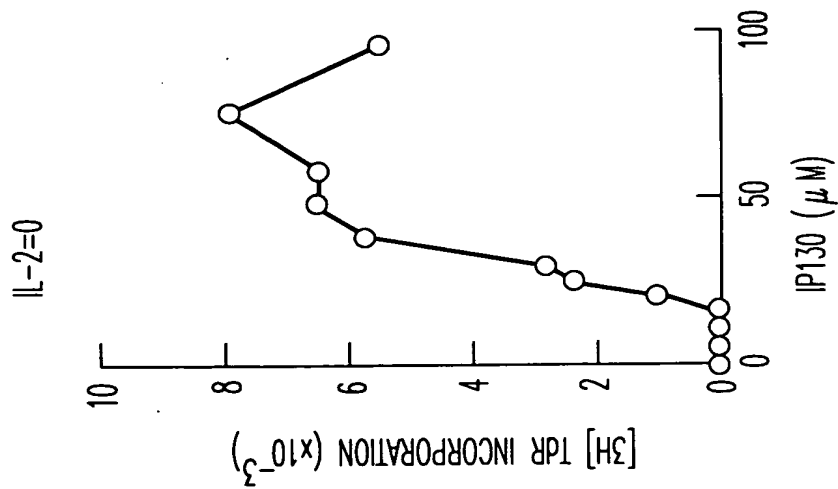


FIG. 7A

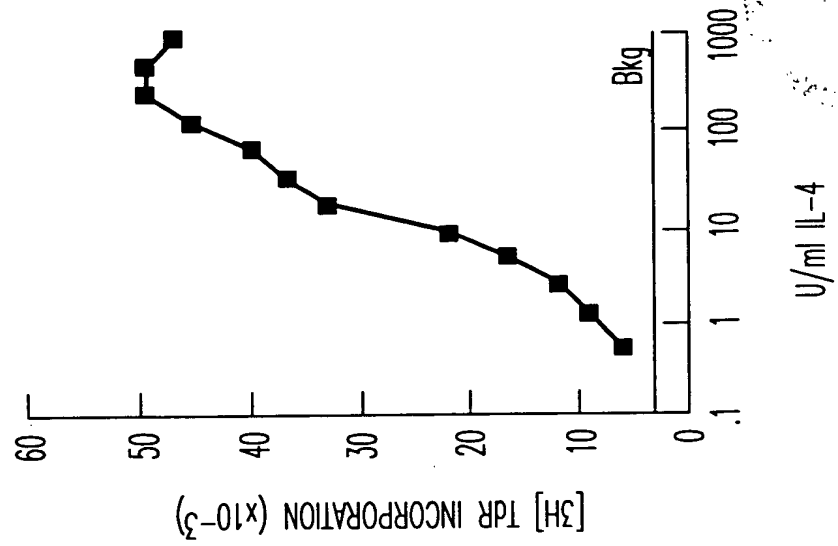


FIG. 8B

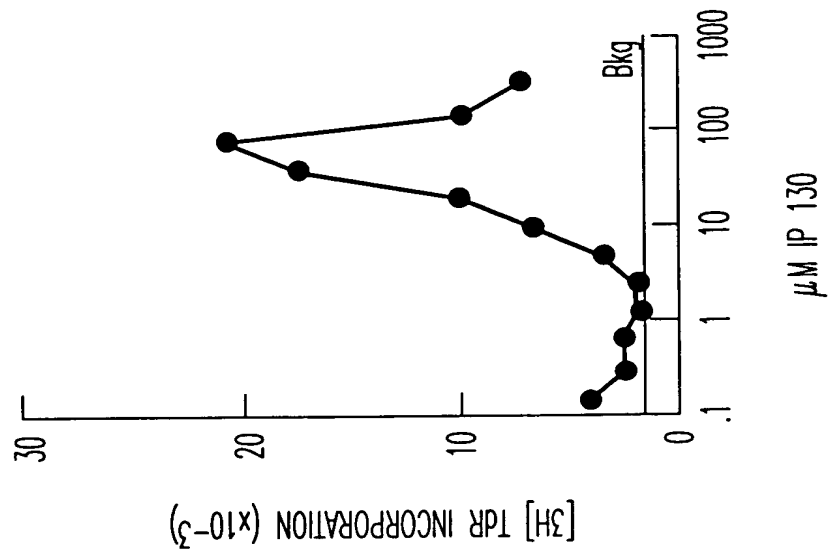


FIG. 8A

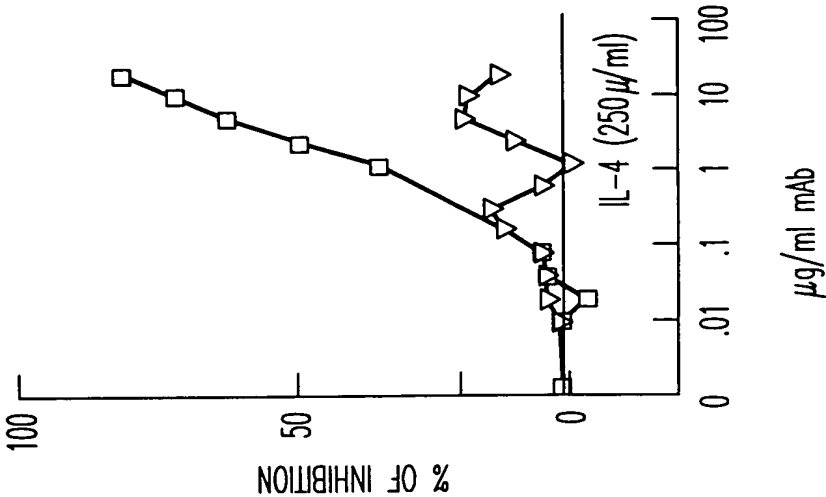


FIG. 8D

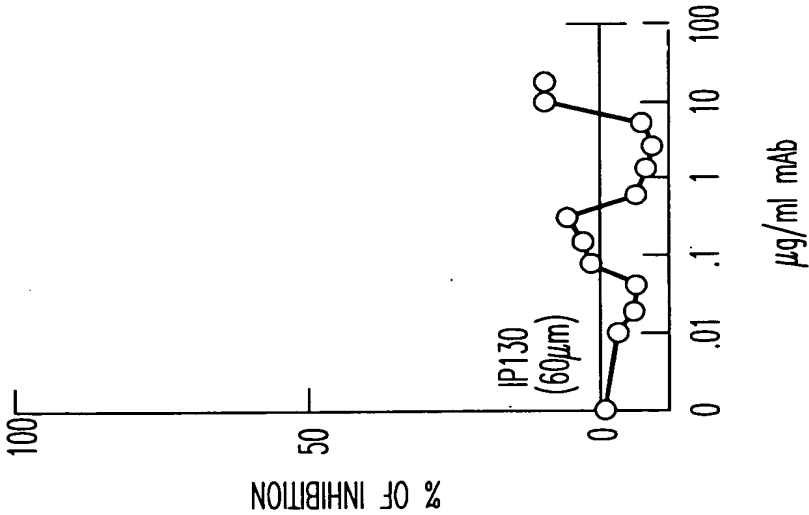
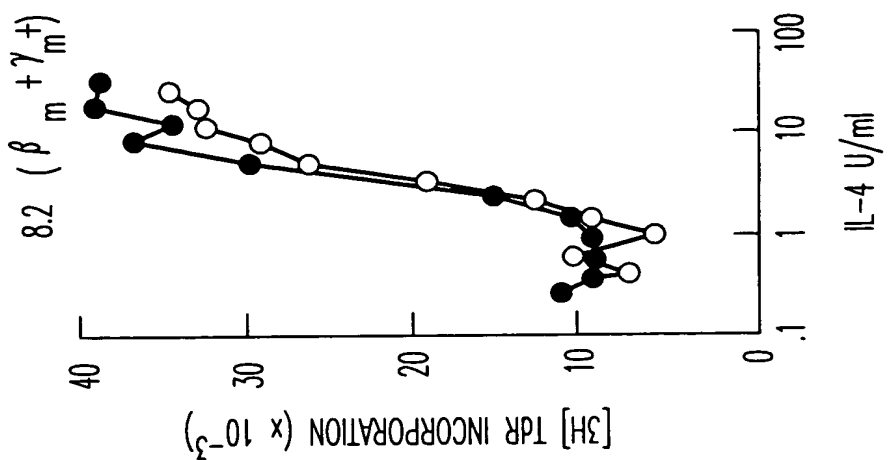
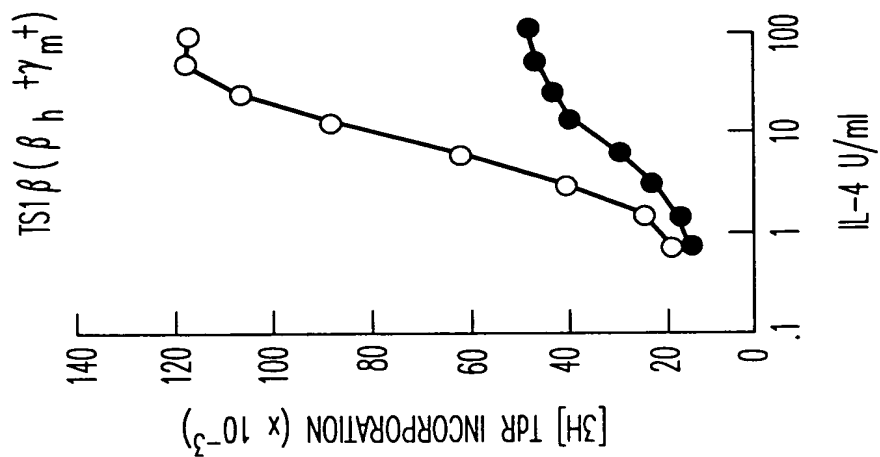


FIG. 8C



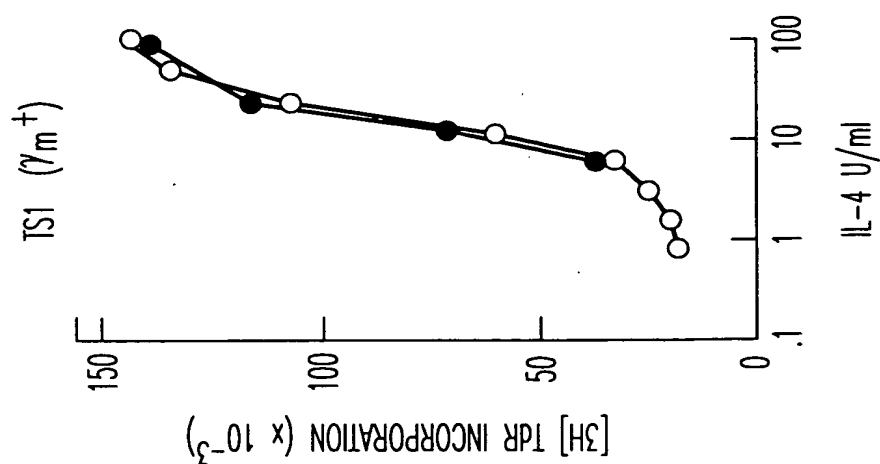
● IL-4
○ IL-4 + IP130

FIG. 9C



● IL-4
○ IL-4 + IP130

FIG. 9B



● IL-4
○ IL-4 + IP130

FIG. 9A

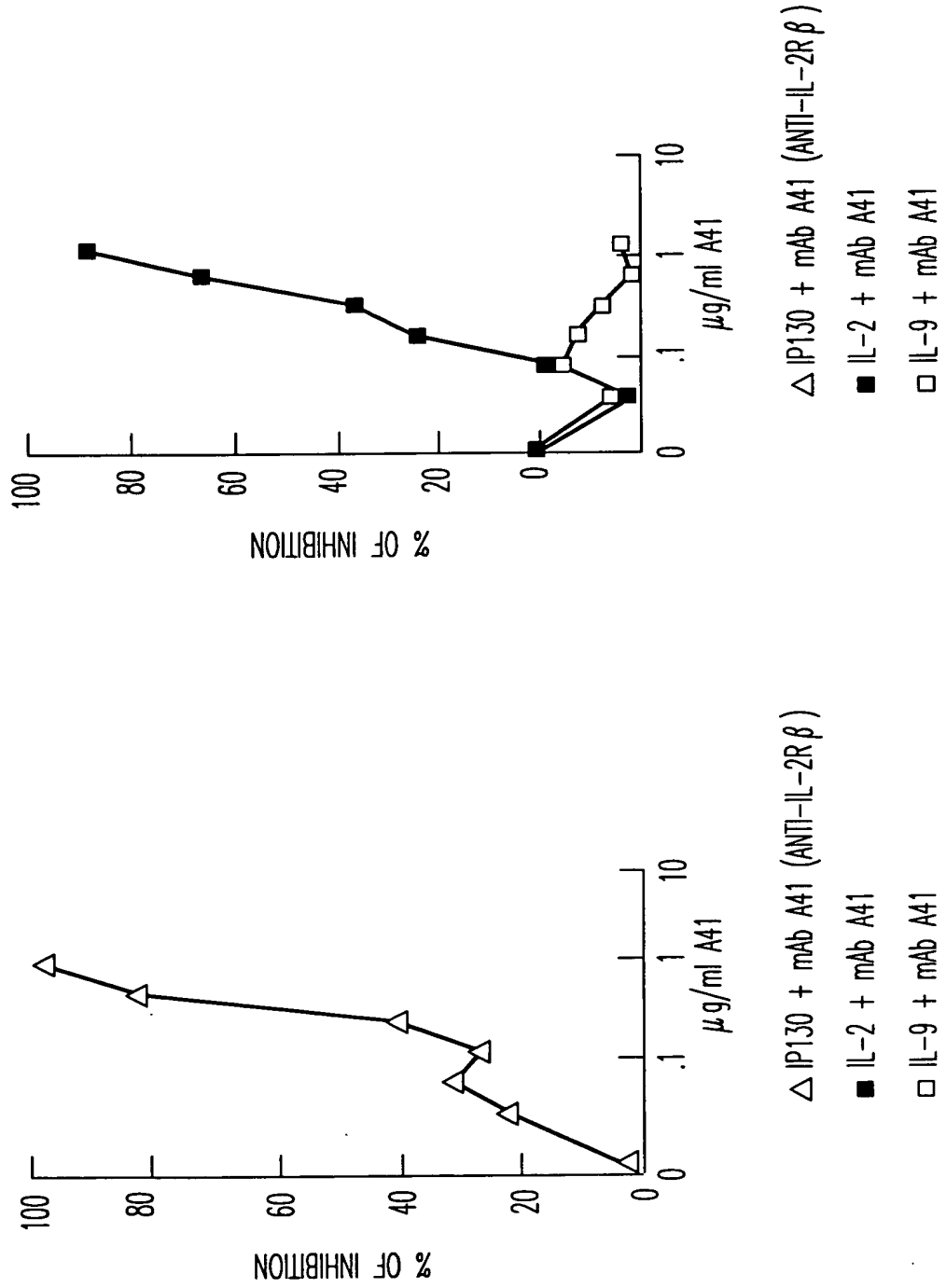
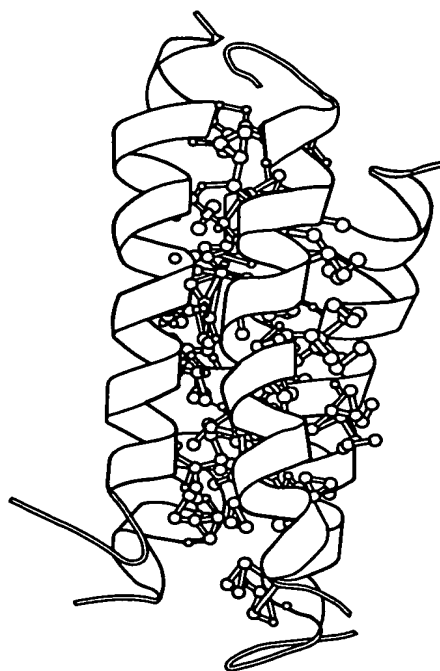


FIG. 9E

FIG. 9D

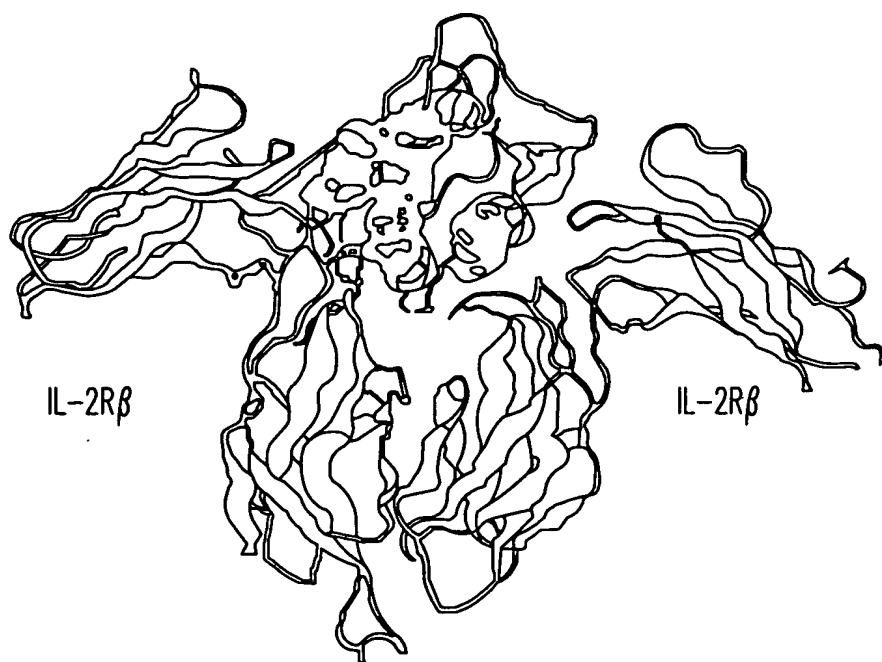
1	10	20	30	APTTSSITKTKQLQLHLLDLQMLNGINN	% HELIX (CIRCULAR DICHROISM)	MAIN MOLECULAR SPECIES	ACTIVITY
1			30		50% (150 @ 30 μ M) 35% (4 μ M)	TETRAMER (4M-8M, Kd=30-100 μ M) /OCTAMER	+++
	10		30		22% (150 @ 30 μ M)	DIMER (1M-2M, Kd=0.2 μ M) /TETRAMER (2M-4M, Kd=100 μ M)	++
1			22		<2%		-
1	10				0%	DIMER (1M-2M, Kd=50 μ M) (2M-4M, Kd=1.4mM)	-
5	15				0%	DIMER (1M-2M, Kd=113 μ M)	-
	10	20			0%	MONOMER	ND
		20	20		<5%	MONOMER	+

FIG. 10



IP130

FIG. 11A



IL-2R β

IL-2R β

IP130

FIG. 11B

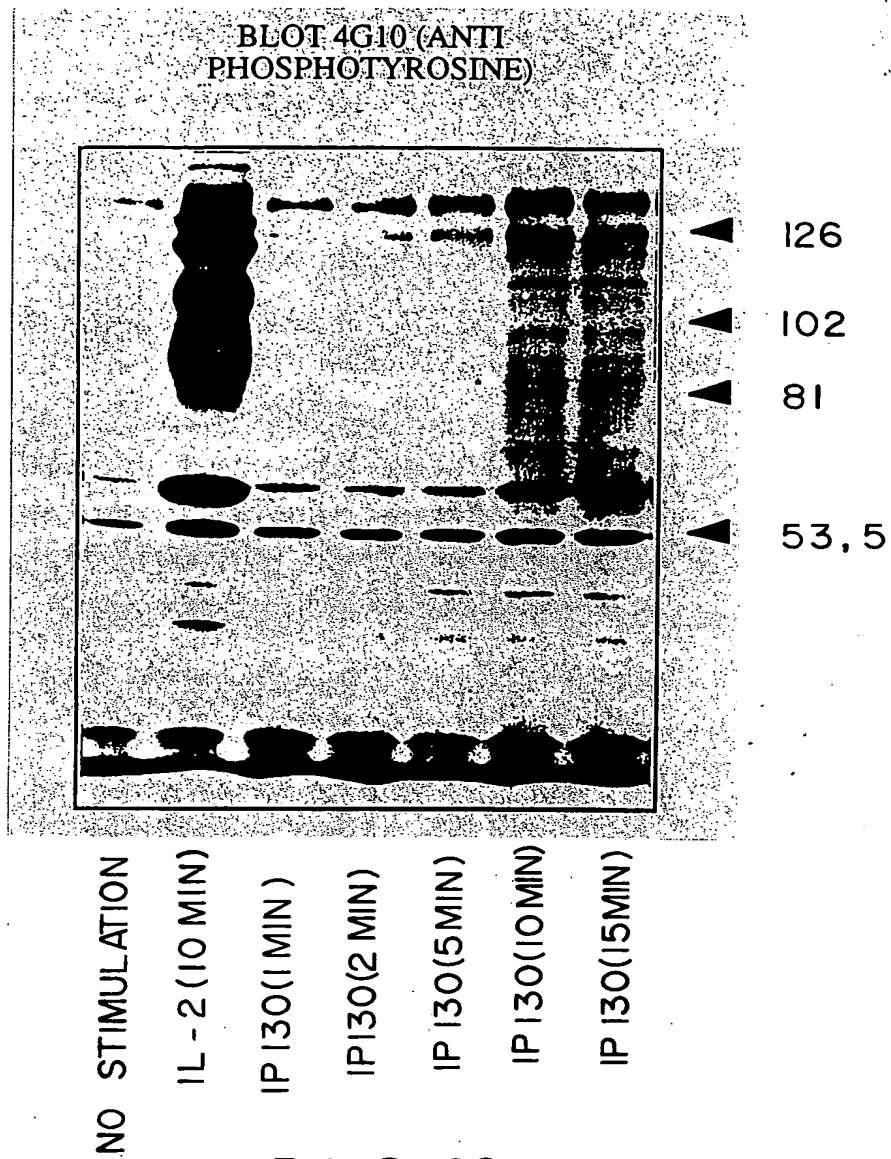
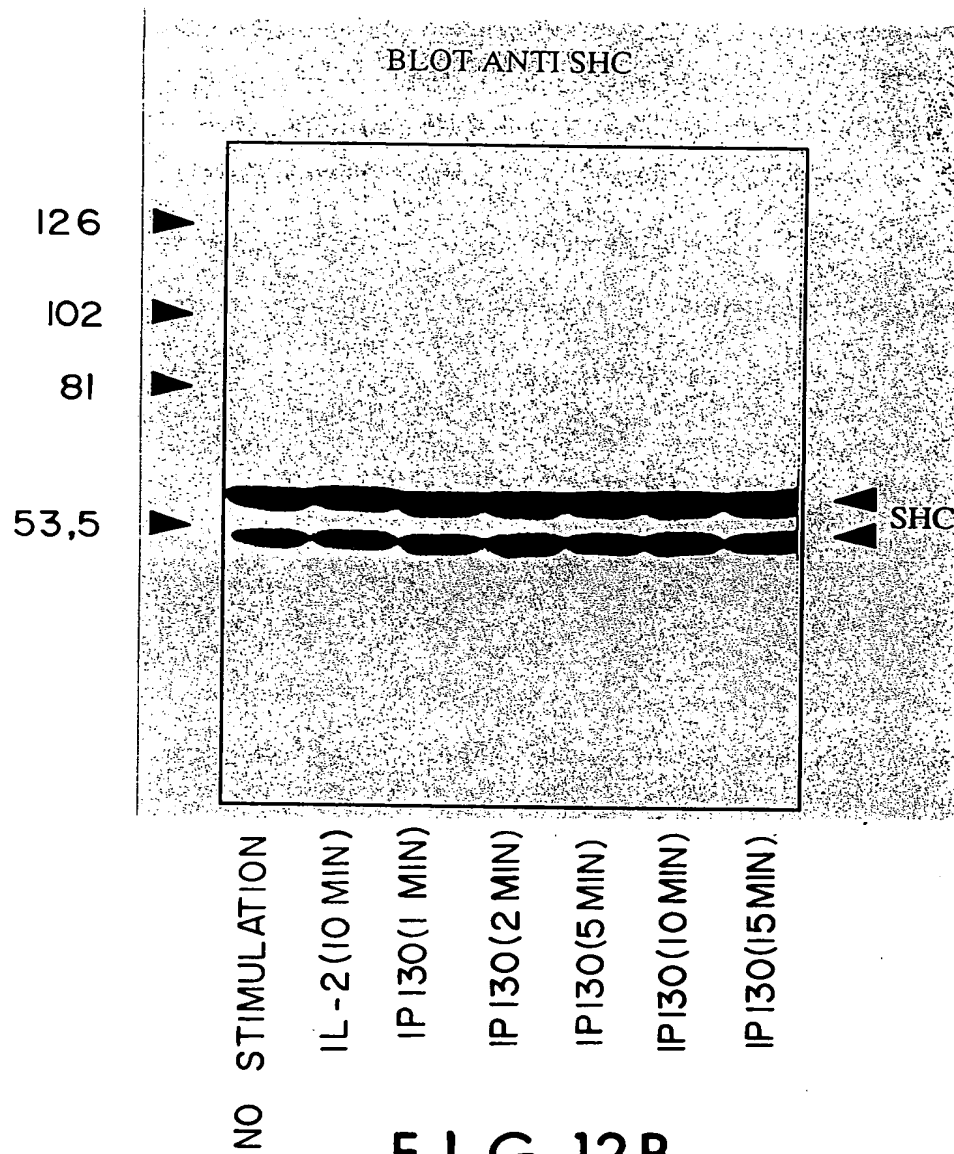
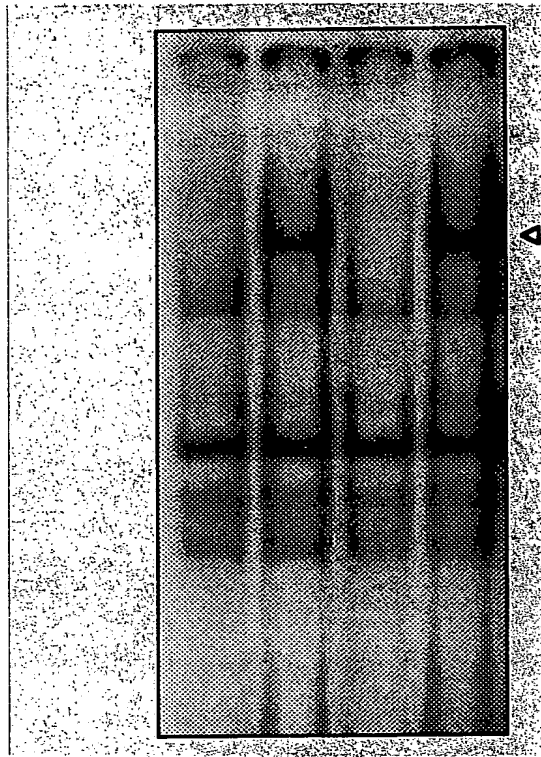


FIG. 12A





ACTIVATED STATs

NO STIMULATION

IL-2

IP130

IL-2 + IP130

FIG. 13

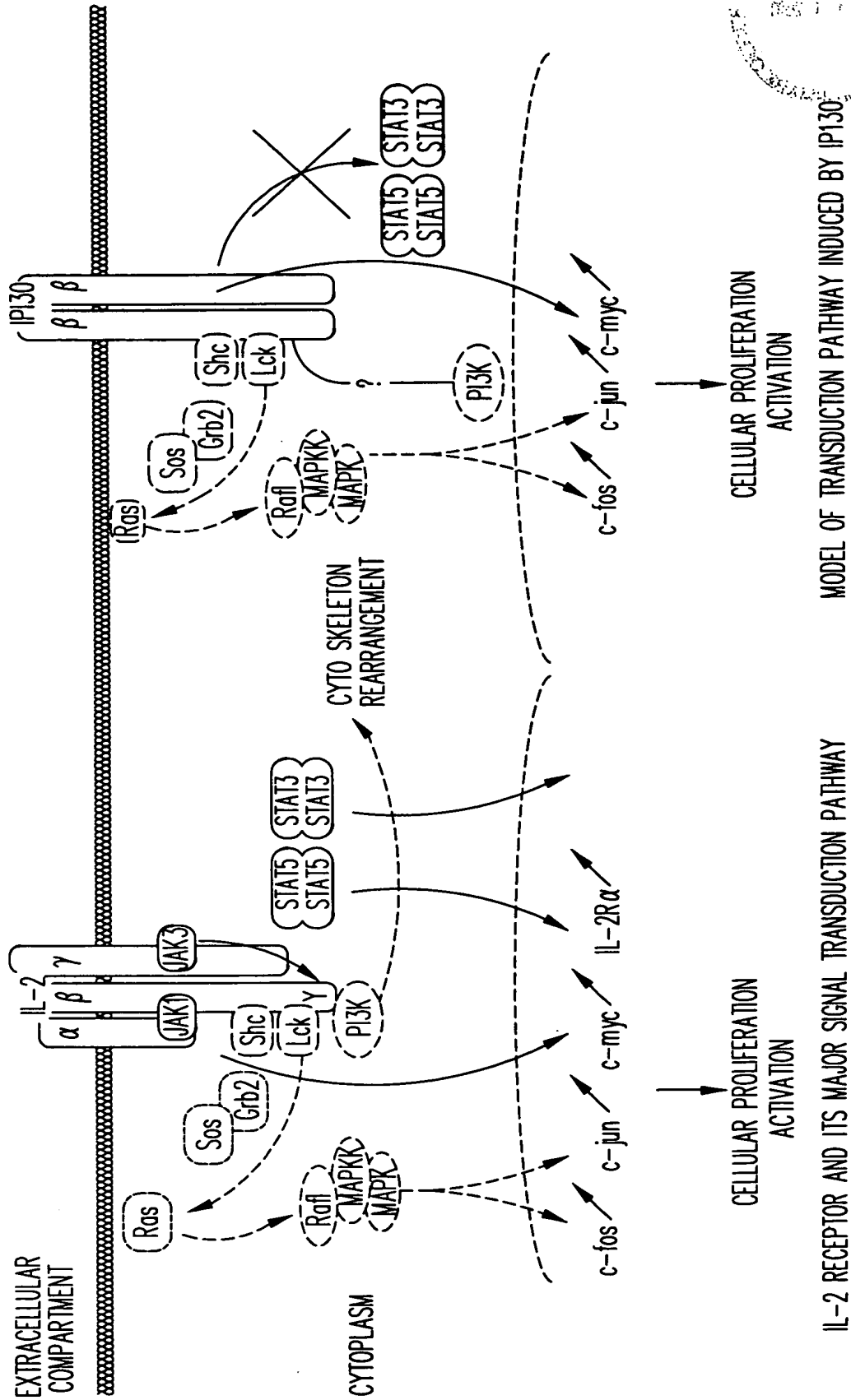


FIG. 14

NK CELLS (CD56⁺) ENTERING IN S+G2/M PHASES AFTER IP130 STIMULATION
(SYNERGY WITH IL-2)

TREATMENT		J31	J32	J33
IL-2 50 nM		14	12	14
	IP130 60 μ M	0	17	≤ 5
	IP130 120 μ M	0	14	< 5
IL-2 50 nM +	IP130 60 μ M	26	21	7
IL-2 50 nM +	IP130 120 μ M	28	28	28

FIG. 15

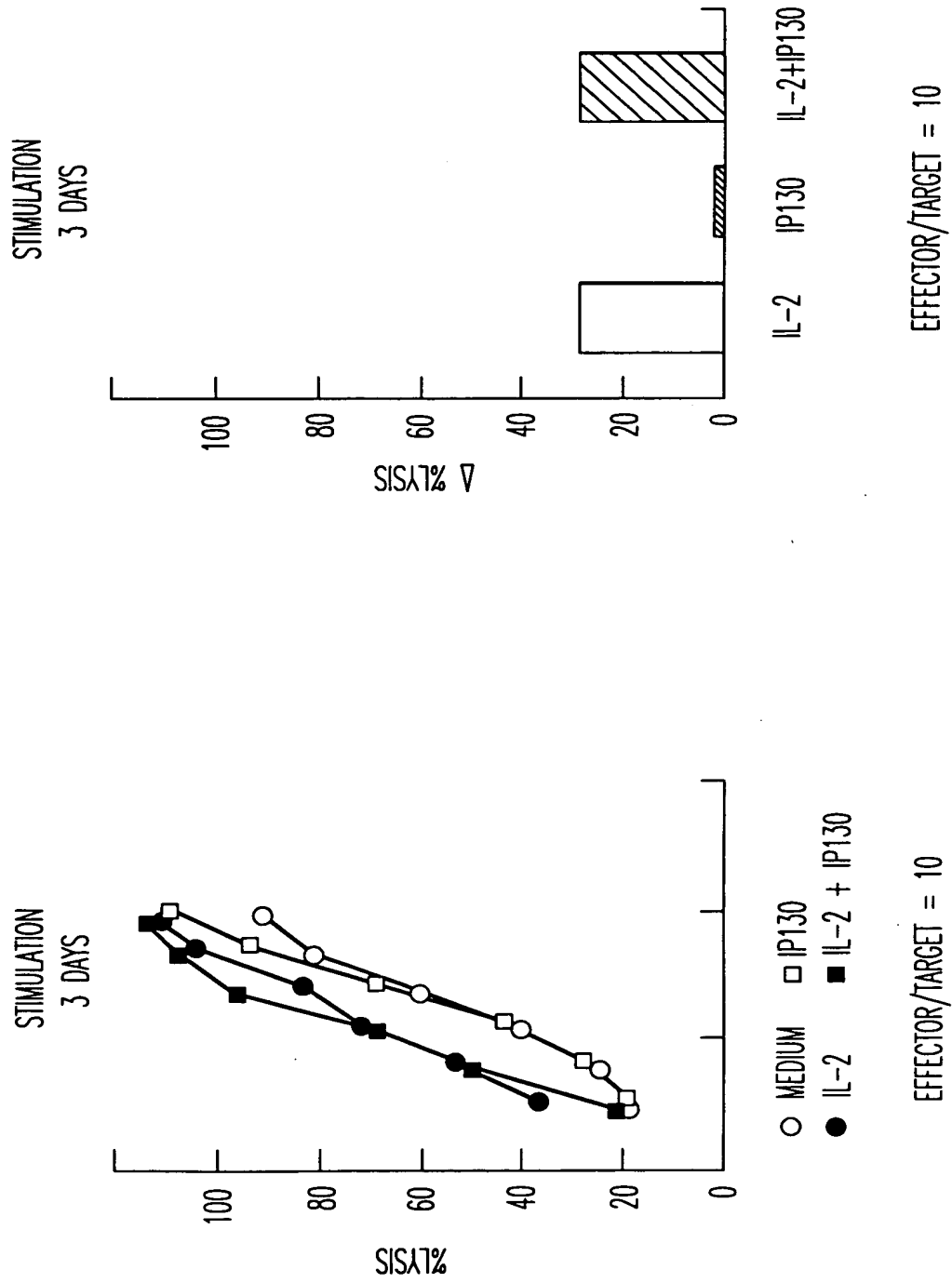


FIG. 16B

FIG. 16A

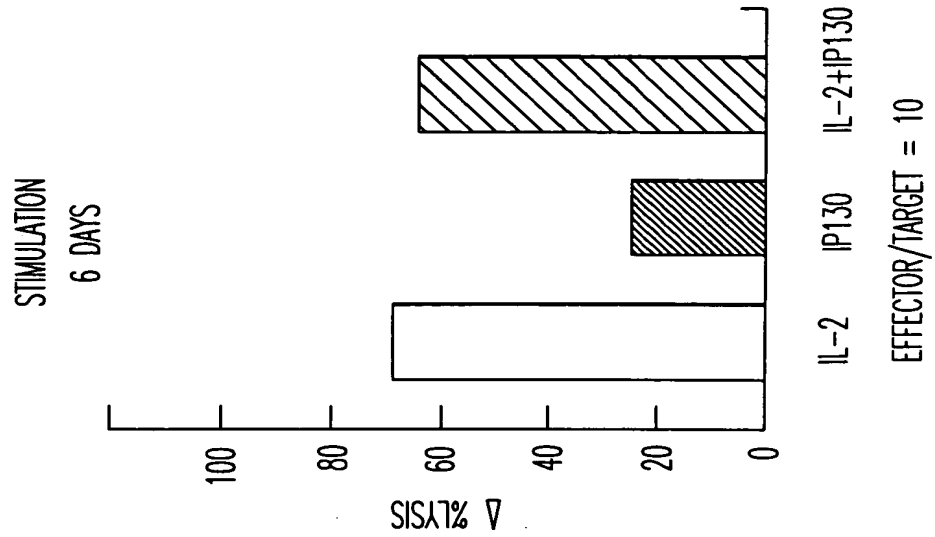


FIG. 16D

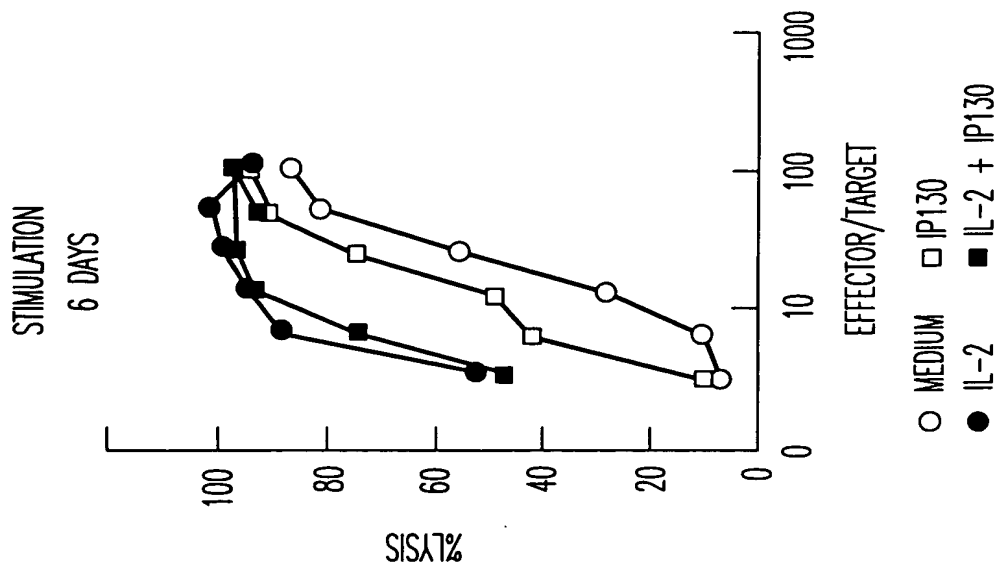


FIG. 16C

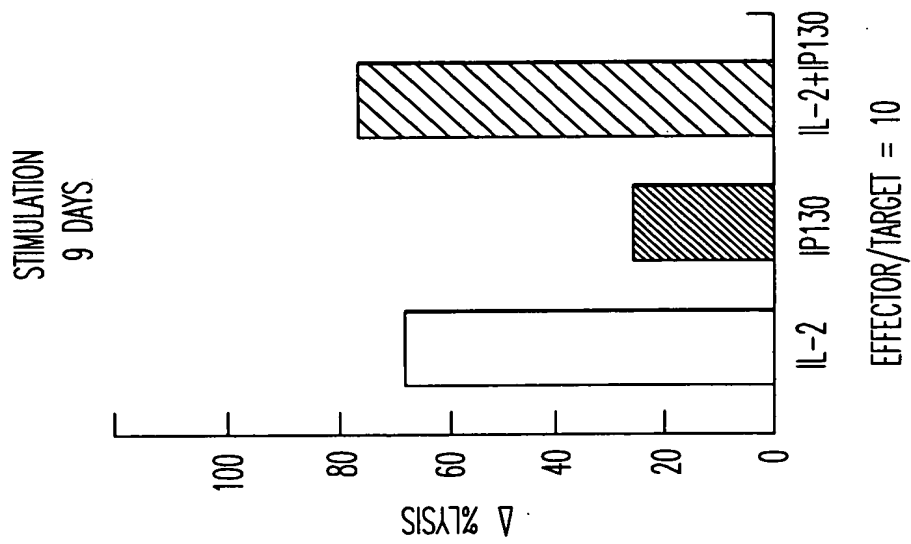


FIG. 16F

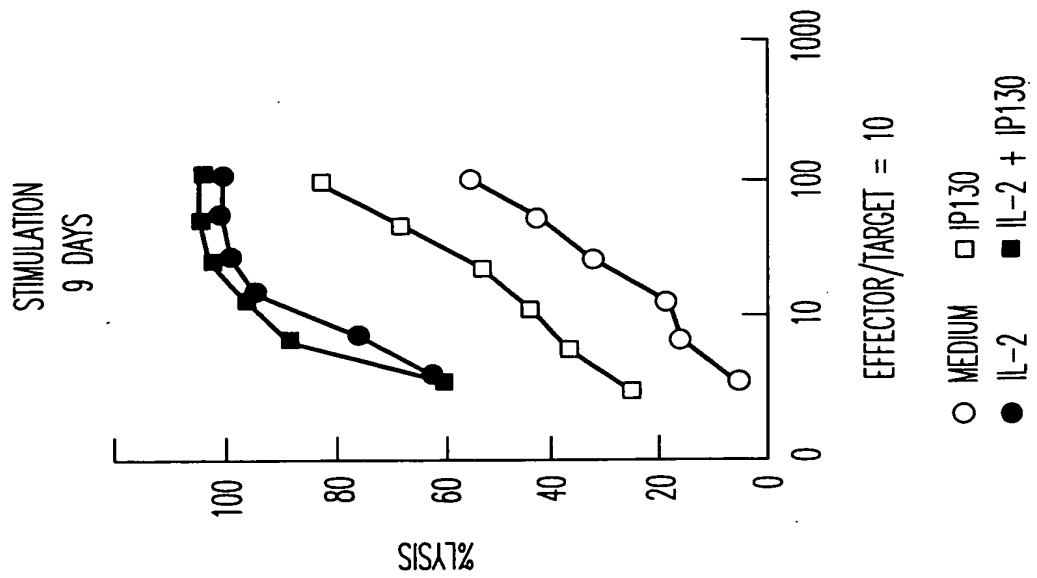


FIG. 16E

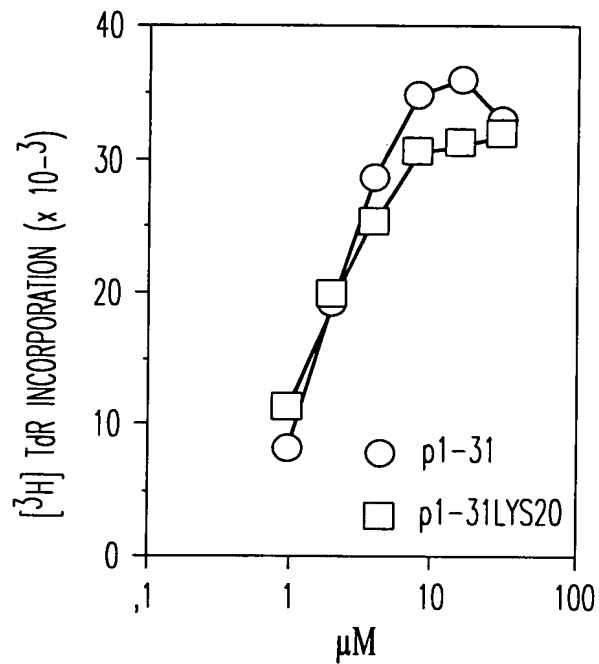


FIG. 17

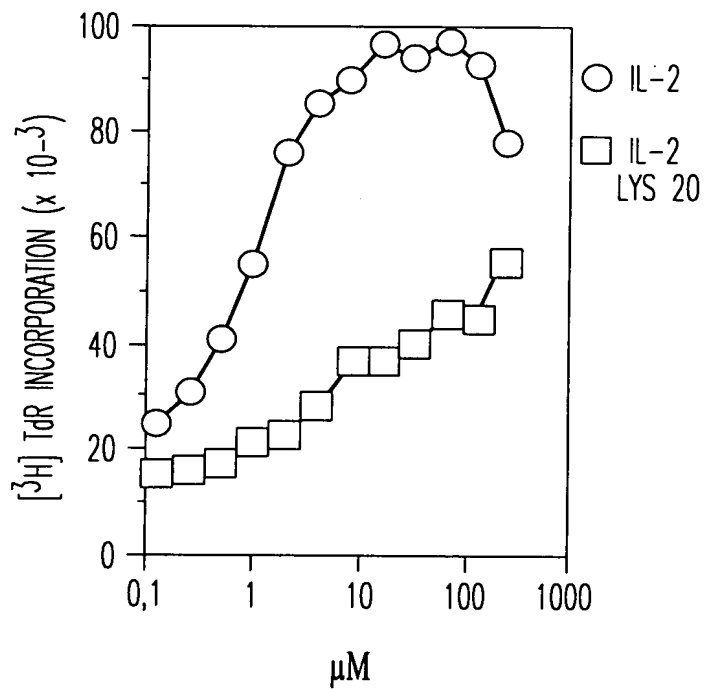


FIG. 18

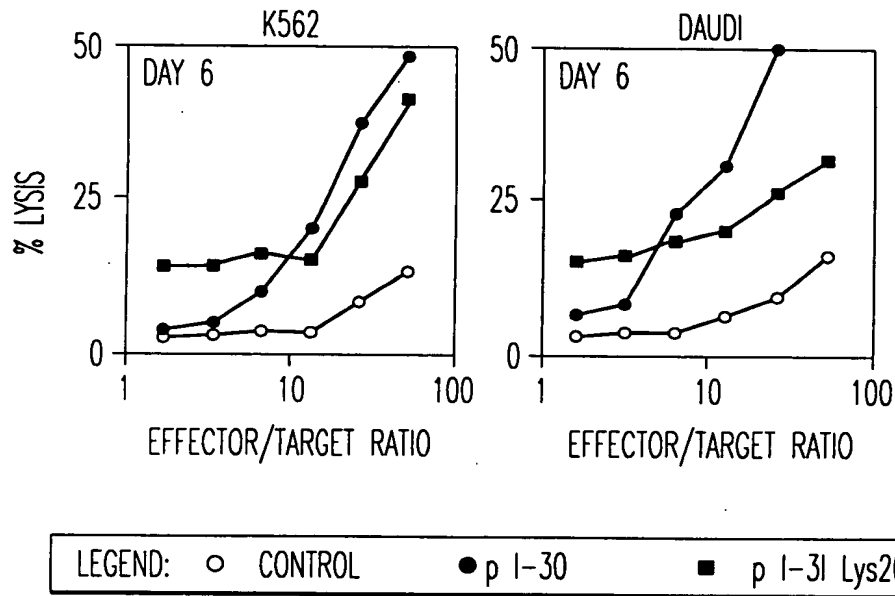


FIG. 19